

[METHOD FOR OPTIMIZING ARRANGEMENT OF LIGHT SOURCE ARRAY]

Abstract

A method for optimizing arrangement of a light source array, suitable for use in an optical scan module having an array of light sources and a sub-system assembled by other members. The optical response of the sub-system of the optical scan module is fixed. The measurements of optical response matrices of the optical scan module and the array of light sources are respectively obtained to calculate the constant value of the optical response matrix of the sub-system. The optimal value of the optical response matrix of the optical scan module is then set up to calculate the optimal value of the optical response matrix of the array of light sources. In response to the optimal value, a method of optimizing arrangement of the light source array is configured.